

Useful Data for the Water Quality Division



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Water Databases



- **Many Types – Impairment (305B), Facilities, Monitoring Data, Precipitation, Climate Change, Species Info, NPDES, Imagery, Drinking Water, TRI, GRTS (Grants), Boundaries, Property, Census, Soils, Land Use, Others**
- **Multiple Levels – Federal, State, Non Profit, Contracted Providers, Universities, Others**
- **Many Locations – EPA (Multiple), NOAA (Multiple), USGS (Multiple), NRDC (Multiple), National Geospatial Agency (NGA-Restricted Use), Region 6 States (Multiple), NatureServe, University of Minnesota, The Nature Conservancy, Many Others**

Water Databases Cont.



- **Multiple Applications and Services – GIS Web services, Interactive Maps, Query Engines , Email Delivery**
- **Forms of Delivery/Output – PDF, HTML or XML, Coma Delimited, Tab Delimited, Other Delimited, Excel, GIS File, Map, View Only, Others**

EPA Databases



- **NEW EPA Data Finder!**
- **Includes The Following Water Databases:**

ICIS-NPDES	RAD
WATERS	FRS
EMAP	SDWIS
STORET	CWNS
ADB	ATTAINS

***GeoData Gateway**

EPA Data Finder



- **Searchable for Data by Subject**
- **Resources All EPA Databases**
- **Part of the new DATA.GOV architecture**



EPA Data Finder Demo

<http://intranet.epa.gov/enviro/datafinder/>

EPA ARCGIS Server Services

http://www.epa.gov/waters/geoservices/docs/waters_mapping_services.html (all Water data)

Waste Water



- **All data converting from the legacy Permit Compliance System (PCS) to Integrated Compliance Information System – National Pollution Discharge Elimination System (ICIS – NPDES)**
- **ALL REGION 6 STATES MIGRATED to ICIS**
- **Several Ways to Query Data**

Waste Water Cont'd.



- **Request Query of Information from ICIS System for data on many facilities**
- **Use FRS for QA/QC'd Waste Water facility locations**
- **For detailed information including summary statistics on specific facilities use Enforcement and Compliance History Online (ECHO)**

Waste Water Demo

- FRS:
<https://geogateway.epa.gov/Portal/>
- ECHO:
<http://www.epa-echo.gov/echo/index.html>

******* When Retrieving Data Realize That If Information *****
Being Retrieved is Misspelled, The Request Will Not Locate It!**

Drinking Water



- Drinking Water Information can be retrieved from the Safe Drinking Water Information System (SDWIS)
- Additional Information from Homeland Security Infrastructure Program (HSIP data) or requesting information from Drinking Water Personnel

*******Important- location information for Drinking Water *****
is sensitive and cannot be released to the public**



SDWIS Demo

http://www.epa.gov/enviro/html/sdwis/sdwis_query.html

Water Quality Data



- **Surface Water, Ground Water, and Coastal Water Quality Data Maintained in Storage and Retrieval for Water Quality Data (STORET)**
- **Most Programs such as EMAP, NCOD, etc. have Data that has been added to STORET**
- **Only the Data that has been provided to STORET is available**
- **Data Before 1999 stored in Legacy STORET; FTP zipped Data by State or Query**



STORET Demo

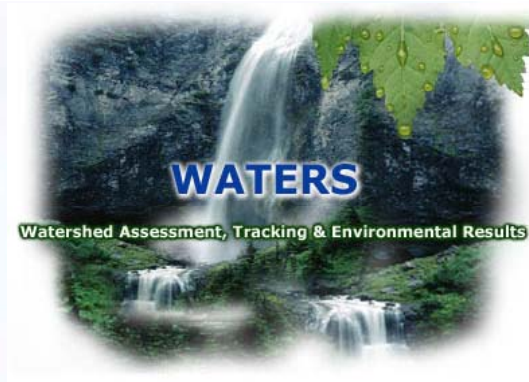
- **Legacy STORET:**
<http://www.epa.gov/storpubl/legacy/gateway.htm>
- **Modernized STORET:**
http://www.epa.gov/storet/dw_home.html

Assessment Info



- **Water Assessment Data from the States 305b and 303d is added to the ATTAINS**
- **Impairment and Assessment Data can be downloaded in shapefile format from RAD**
- **This information can also be viewed in WATERS**

STATE Data is Only Added in a timely matter when it is in ADB format.



ASSESSMENT INFO

- **WATERS:** <http://www.epa.gov/waters/index.html>
- **ATTAINS:** <http://www.epa.gov/waters/ir/>
- **RAD:** <http://epamap32.epa.gov/radims/>
- **ENVIROMAPPER:** <http://map24.epa.gov/emr/>

Data and Metadata



- **EPA's Geodata Gateway links to detailed data agency wide**
- **Is a storehouse of Metadata with access to many datasets**
- **Data loaded into Public Federal Geospatial Onestop**



U.S. Environmental Protection Agency

GeoData Gateway..... *Connecting our Geospatial Resources*

Your Gateway to EPA Data

- **EPA GDG:**

<https://geogateway.epa.gov/Portal/>

QUESTIONS?

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Surface Water Center Intranet:

<http://region6.epa.gov/intranet/6wq/planning-analysis/swc/index.htm>

